

IP

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE



Applicant(s) : Yasukata DEKISHIMA et al.

Appln. No. : 10/588,286  
(National Stage of PCT/JP2005/002093)

Confirmation No.: 6444

Group Art Unit: 1632

Examiner: not yet assigned

I.A. Filed : February 4, 2005

For : METHOD FOR PRODUCING ALCOHOL AND CARBOXYLIC ACID  
HAVING OPTICAL ACTIVITY

**SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT**

Commissioner for Patents  
U.S. Patent and Trademark Office  
Customer Service Window, Mail Stop Amendment  
Randolph Building  
401 Dulany Street  
Alexandria, VA 22314

Sir:

Further to the Information Disclosure Statement filed on August 13, 2007, and in accordance with the duty of disclosure under 37 C.F.R. § 1.56 and §§1.97-1.98, Applicants hereby bring to the attention of the Examiner the following documents cited in the Supplementary European Search Report for European Application EP 05 71 0145, of which above referenced application is a family member:

- (1) JP 3 - 95138 A, April 19, 1991; and English language Abstract provided by database WPI Week 199122, AN 1991-159959, XP002431906;
- (2) U.S. Patent No. 5,248,820 (Murtiashaw), issued September 28, 1993;
- (3) J. Kreit et al., Journal of Molecular Catalysis B: Enzymatic, 2002, Vol.19-20, pp.253-259;
- (4) T. Matsuda et al., Tetrahedron: Assymetry, 2002, Vol.13, pp. 971-974 ;

- (5) H. Yang et al., *Biochimica et Biophysica Acta*, 1997, Vol. 1336, No.1, pp.51-58 ;
- (6) R.N. Patel et al., *Eur. J. Biochem.* 1979, Vol.101, pp.401-406 ;
- (7) W. Hummel, *Trends in Biotechnology*, 1999, Vol.17, No.12, pp.487-492;
- (8) Database Geneseq (Online), retrieved from EPU accession no. GSP:ADW29163, XP002431903, "I scutulata carbonyl reductase protein sequence SeqID1," Abstract, April 7, 2005;
- (9) Database Geneseq (Online), retrieved from EPU accession no. GSP:ADW29164, XP002432051, "I scutulata carbonyl reductase protein sequence SeqID2," Abstract, April 7, 2005;
- (10) EP 1 568 780 A1, August 31, 2005, accompanied by an English language abstract provided by Esp@cenet;
- (11) F.S. Prout et al., *Journal of Organic Chemistry*, 1962, Vol.27, pp.1488-1490 ;
- (12) J. Cason et al., *J. Am. Chem. Soc.*, 1950, Vol.72, pp.4695-4697;
- (13) J. March: "The Effect of the Leaving Group," in: *Advanced Organic Chemistry. Reactions, Mechanisms, and Structure*, New York, Wiley & Sons, 1992, pp.352-362;
- (14) J. Malthete, *Nouveau Journal De Chimie*, 1985, Vol.9, pp.557-560;
- (15) A.H. Blatt (Editor): "Organic Syntheses, Coll. Vol.2," 1943, John Wiley and Sons, Inc., New York, pp.416-417;
- (16) W. Dai et al., *J. Org. Chem.*, 1993, Vol.58, pp.1900-1908 ;
- (17) WO 2005/115955 A1, December 8, 2005 ; and

- (18) U.S. Patent Application Publication No. 2007/0225519 (Sorger et al.), September 27, 2007; Applicants note that this document is a family member of document (17).

Copies of above-listed documents (with the exception of the U.S. Patent and U.S. Patent Application Publication) and the Supplementary European Search Report for EP 05 71 0145 are enclosed together with a complete copy of the PTO-1449 Form listing these documents. Accordingly, the Examiner is requested to consider these documents and to initial the appropriate spaces on the attached Form, and to return a copy of the completed Form to Applicants with the next official communication in the present application.

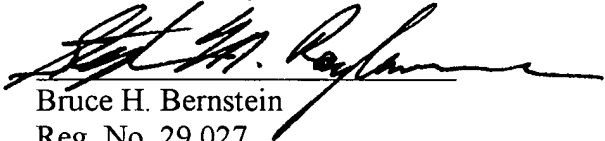
Applicants note that documents cited in the Supplementary European Search Report and not listed in this Supplementary Information Disclosure Statement already had been listed in the Information Disclosure Statement filed on August 13, 2007.

Further to 37 C.F.R. §1.98 (a)(2)(ii), a copies of the U.S. patent and U.S. patent application publication are not enclosed herewith. However, if copies are needed, the Examiner is respectfully requested to contact the undersigned.

Applicants note that an Office Action on the merits has not yet issued in the instant application, and thus, no fee is necessary to ensure consideration of this statement. However, if an Office Action has issued and is crossing in the mail with this statement, the Patent and Trademark Office is hereby authorized to charge Deposit Account No. 19-0089 any fee necessary to ensure consideration of the submitted materials.

Should the Examiner have any questions, the Examiner is invited to contact the undersigned at the below-listed telephone number.

Respectfully submitted,  
Yasukata DEKISHIMA

  
Bruce H. Bernstein  
Reg. No. 29,027

April 23, 2008  
GREENBLUM & BERNSTEIN, P.L.C.  
1950 Roland Clarke Place  
Reston, VA 20191  
(703) 716-1191

**Stephen M. Roylance**  
**Reg. No. 31,296**